ILFORD biomedia

MEDIA FOR YOU AND THE ENVIRONMENT

ENVIRONMENTALLY RESPONSIBLE PRODUCTS WITH NO COMPROMISE

ILFORD BIOMEDIA

The next generation of media is here! As part of a comprehensive commercial wide format media offering, the ILFORD BioMedia range has been developed in direct response to the demand for sustainable printing.

BioMedia is a biodegradable and recyclable alternative to traditional vinyl commercial display products and includes display films, boards and laminates.

ILFORD has always been at the forefront of innovation in the imaging industry and as one of the earliest adopters of digital imaging technology has demonstrated the ability to design products in line with the rapidly changing market.

There is growing pressure on today's businesses to adopt policies and processes that offer environmental sustainability. ILFORD is no exception and has been adapting its manufacturing processes and policies over the last ten years to reduce its impact on the environment. In parallel, ILFORD has adopted an approach of sustainable product innovation that is underlined in the development of the BioMedia range of products.

'Green' credentials are now a necessity for any commercial print - for - pay business rather than a 'nice to have' and the latest ILFORD BioMedia products ensure that the market can capitalise on this rapidly growing trend.

ILFORD recognises that image quality is essential for the demanding print - for - pay customer base and had two key criteria in the development of the range: maximise image quality and minimise environmental impact.

- A range of films, boards and laminates
- Universal compatibility
- Recyclable
- Biodegrades in landfill (anaerobic)
- Industrial compost (aerobic or anaerobic)
- Incineration-friendly
- No pre-heating and low heat curing ensure economical production
- Supported by a range of software developers and printer manufacturers

PRINTED ON BIOMEDIA DISPLAY FILM

PRODUCTS THAT WON'T COST THE EARTH

BioMedia is an environmentally sustainable product that is versatile enough to be biodegradable, recyclable and incinerated. But what does this mean in practical terms?

There are country specific requirements and often regional conditions for the disposal of media.

BioMedia products have been tested by an independent laboratory in accordance with the ASTM (American Society for Testing and Materials) standard D5511, which determines the anaerobic biodegradation of plastic materials. In simple terms, BioMedia can be put into landfill and, thanks to a unique additive that accelerates the breakdown of the product under anaerobic (no oxygen present) landfill conditions, will degrade within 2-5 years.

The product can also be recycled under code 6 into items such as plastic cups or light switches and it can be incinerated without the release of any harmful gases or chemicals. It is even possible to put BioMedia into industrial composting where it will degrade.

Therefore whatever the local conditions, BioMedia can be disposed of in a responsible way giving reassurance to all environmentally conscious brand-owners that the BioMedia range meets industry-wide requirements.

In addition, BioMedia offers a reduction in the carbon footprint of the printing process as it does not have to be pre-heated and only needs low heat to 'cure' the inks ensuring less energy is consumed. Good for the environment and the bottom line!

BIODEGRADABLE • RECYCLABLE • INCINERATION-FRIENDLY • PVC-FREE

THE TECHNOLOGY

BioMedia is an extruded plastic incorporating an additive, which, under landfill conditions, allows bacteria to cut through the polymer chain. This results in an accelerated breakdown of the product making it biodegradable.

The images below show the biodegradation of the product over a period of approximately 500 days.

AFTER 1 DAY

AFTER 47 DAYS

AFTER 130 DAYS

AFTER 219 DAYS

AFTER 537 DAYS

ILFORD, QUALITY AND INNOVATION IN PRINT

Since inception in 1879, ILFORD has been a name associated with imaging. While the company has evolved over the years, the drive to provide customers with world-class products is as strong as it was over 130 years ago.

As one of the earliest adopters of digital imaging technology for the commercial wide format marketplace, ILFORD has been at the forefront of innovation in the industry, demonstrating the ability to design products in line with changing technologies.

Experience is paramount and ILFORD has used its knowledge to fine-tune its core competencies to excel in complex dye development, innovative media manufacturing and highly intricate multi-layer coating technology.

As a result, ILFORD is one of the only companies in the world to offer integrated research and development initiatives for dyes, inks and coated media and can therefore offer its customers a 'best in class' solution for producing outstanding printed images and displays, regardless of their application.

Based at its world-class manufacturing facility in Switzerland, the research and development team continue to develop technical building blocks to ensure that ILFORD can respond directly to any step change in technology.

The ILFORD name is well established in the history of imaging and today continues to be associated with cutting edge technology thanks to its strong links to the commercial wide format and photographic markets, research and development, technical know-how and manufacturing capabilities.

BIOMEDIA DISPLAY FILM

BIOM5DF11 • 300MICRON
BIOM5DF16 • 400MICRON
BIOM5DF21 • 550MICRON

BioMedia Display Film is a flexible printing substrate that uses the company's renowned coating technology to create print surfaces that minimise the environmental impact without compromising image quality.

As a no-compromise alternative to vinyl and PVC, BioMedia Display Film has a universal microporous coating, which means that high-quality image results are produced across a wide range of commercial printing equipment including Aqueous, Eco-solvent, Solvent and Latex printers.

This equates to less stock holding and inventory expenditure as well as the flexibility to decide which printer platform is most suitable for the end application or indeed production capacity. The range also includes a UV display film which gives further flexibility to the print provider.

By stocking one product range for use across all of their printers, print service providers not only reduce the environmental impact of their printing activity but can do so without any loss in image quality or media performance.

BioMedia Display Film, available in standard roll sizes and in 300, 400 or 550 micron variants, is suitable for most indoor applications as a direct replacement for coated vinyl or polyester media and is fully compatible with BioMedia Rigid Boards and BioMedia Laminates for a fully integrated biodegradable display system.

- Universal layer for multi printer platform compatibility
- Environmentally-responsible - biodegradable, recyclable and incineration-friendly
- One inventory stock holding reduces investment in stock and management of multiple suppliers
- Excellent imaging performance and permanence
- Part of a complete biodegradable range, including boards and laminates

Applications:

Pop-ups and Pull-ups displays, Point of sale displays, Posters, Graphic and Exhibition panels.

TECHNICAL SPECIFICATIONS

	BIOM5DF11	BIOM5DF16	BIOM5DF21
Weight	285gsm	410gsm	540gsm
Opacity	97%	98%	99%
Caliper	285 microns (11mil)	410 microns (16mil)	535microns (21mil)
Tint (Lab)	93.5, 0.0, -9.0	93.5, 0.0, -9.0	93.5, -0.3, -8.0
Gloss (85%)	11%	11%	11%

AVAILABILITY

ROLLS	61cm x 30.5m (24")	61cm x 30.5m (24")	61cm x 30.5m (24")
	91.4cm x 30.5m (36")	91.4cm x 30.5m (36")	91.4cm x 30.5m (36")
	127cm x 50m (50")	127cm x 25m (50")	127cm x 15m (50")
	152.4cm x 50m (60")	152.4cm x 25m (60")	152.4cm x 15m (60")

ENVIRONMENTAL CONDITIONS

Operating 15–25ºC (59–77°F), 30–70% RH non-condensing

BIOMEDIA DISPLAY FILM UV

BIOUVDF10 • 250MICRON
BIOUVDF14 • 350MICRON
BIOUVDF20 • 500MICRON

BioMedia Display Film is a printing substrate compatible with UV printer platforms. Offering an environmentally-responsible yet economical alternative to vinyl and PVC, it maximises the environmental benefit without compromising image quality.

Complementing the universal coating of the BioMedia Display Film, BioMedia Display Film UV is available in standard roll sizes up to 60" and in 250, 350 or 500 micron variants. It is suitable for most indoor and short-term outdoor applications and is fully compatible with BioMedia Rigid Boards and BioMedia Laminates for a fully integrated biodegradable display system.

- Environmentally-responsible - biodegradable, recyclable and incineration-friendly
- Excellent imaging performance and permanence
- Part of a complete biodegradable range, including boards and laminates

Applications:

Indoor and outdoor displays including Pop-up and Pull-up displays, Point of sale displays, Posters, Graphic and Exhibition panels.

AVAILABILITY

	BIOUVDF10	BIOUVDF14	BIOUVDF20
ROLLS	61cm x 30.5m (24")	61cm x 30.5m (24")	61cm x 30.5m (24")
	91.4cm x 30.5m (36")	91.4cm x 30.5m (36")	91.4cm x 30.5m (36")
	127cm x 50m (50")	127cm x 25m (50")	127cm x 15m (50")
	152.4cm x 50m (60")	152.4cm x 25m (60")	152.4cm x 15m (60")

ENVIRONMENTAL CONDITIONS

Operating 15–25ºC (59–77°F), 30–70% RH non-condensing

BIOMEDIA RIGID DISPLAY BOARDS

BIOBRD750 • 750MICRON
BIOBRD1500 • 1.5MM
BIOBRD2700 • 2.7MM

BioMedia Rigid boards are suitable for flat bed UV printers as an environmentally-responsible yet durable and hard-wearing replacement for traditional PVC mounting boards.

Available in 750 microns, 1.5mm and 2.7mm thicknesses, these direct-to-print boards are fully biodegradable, recyclable and incineration-friendly ensuring the environmental impact of their application is minimised.

With a smooth, matt surface on a flat, consistent base, these boards offer flexibility to a number of indoor and short-term outdoor signage, cladding or display applications.

With superb print reproduction directly onto the boards, they can also be used as part of a full, environmentally-responsible display system when mounted with BioMedia Display Film.

These heavy-duty boards are light in weight making them easy and flexible to work with. They can be displayed using a range of methods from drilling or nailing to a surface, hanging or mounting with frames, Velcro or tape.

- Superb print production when direct-to-print
- Durable and hard-wearing
- Range of application uses
- Environmentally-responsible - biodegradable, recyclable and incineration-friendly
- Part of a complete biodegradable range, including films and laminates
- Range of thicknesses
- Heavy-duty yet lightweight

Applications:

Retail or commercial signage, point of sale, internal cladding, graphic panels and displays.

AVAILABILITY

	BIOBRD750	BIOBRD1500	BIOBRD2700
ROLLS	122cm x 244cm (48 x 96")	122cm x 244cm (48 x 96")	122cm x 244cm (48 x 96")
	156cm x 305cm (61.5 x 120")	156cm x 305cm (61.5 x 120")	156cm x 305cm (61.5 x 120")

ENVIRONMENTAL CONDITIONS

Operating 15–25ºC (59–77ºF), 30–70% RH non-condensing

BIOMEDIA LAMINATES

BIOLAMG3 • GLOSS *75* MICRON
BIOLAMM3 • MATT *75* MICRON

For a stunning yet biodegradable finish to your display, the BioMedia line also includes laminates. These have similar properties to traditional polyester laminates yet are biodegradable as well as recyclable and incorporate an aqueous or water based adhesive.

They can be used with a variety of substrates for indoor or short-term outdoor applications.

- Range of application uses
- Environmentally-responsible - biodegradable, recyclable and incineration-friendly
- Part of a complete biodegradable range, including films and boards
- Available in gloss and matt finishes

AVAILABILITY

	BIOLAMG3	BIOLAMM3
ROLLS	91.4cm x 50m (36" x 164ft)	91.4cm x 50m (36" x 164ft)
	124.5cm x 50m (49" x 164ft)	124.5cm x 50m (49" x 164ft)

ENVIRONMENTAL CONDITIONS

Operating 15–25ºC (59–77°F), 30–70% RH non-condensing

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